

Program Day 1

2nd Conference of Additive Intelligence 4.0, April 8–9, 2019

08.30-09.30	Registration
09.30-09.45	Opening of the Conference <i>Seyed Hosseini, PhD, Manager Additive Manufacturing, RISE IVF AB</i>
Block A	State of the art & future challenges & trends in AM in space & energy sector Moderator: <i>Seyed Hosseini, RISE IVF AB</i>
09.45-10.15	Industrialization and Current Field Experience of Additively Manufactured Gas Turbine Components <i>Pajazit Avdovic, PhD, Research Innovation Coordinator, Siemens Industrial Turbomachinery AB</i>
10.15-10.45	Development of AM at GKN Aerospace AB <i>Speaker to be announced</i>
10.45-11.15	Additively Manufactured Titanium in Aerospace Applications <i>Magnus Kahlin, Tech. Lic, Material Engineer, SAAB AB</i>
11.15-11.45	Coffe and Mingel
Block B	State of the art and future challenges and trends in additive manufacturing in automotive sector Moderator: <i>Seyed Hosseini, RISE IVF AB</i>
11.45-12.15	The Valley of Death <i>Rachel Spieczny, Director, Innovative Purchasing, Volvo Group AB</i>
12.15-12.45	To be announced <i>Speaker to be announced</i>
12.45-13.45	Lunch
13.45-14.15	Additive Manufacturing at Volvo Car Group <i>Torbjörn Larsson, Senior Principal Engineer, Volvo Car Corporation AB</i>
Block C	Post-treatments and digitalization/industrialization in additive manufacturing Moderator: <i>Robert Pederson, University West</i>
14.15-14.40	Development of Selective Laser Melting Technology for Qualified Serial Production <i>Ralf Frohwerk, Dipl.-Ing., Global Head of Business Development, SLM Solutions Group AG</i>
14.40-15.05	The role of HIP and High Pressure Heat Treatment in AM <i>James Shipley, Global Business Development Manager, Advanced Material Densification, Quintus Technologies</i>
15.05-15.35	Coffe and Mingel
15.35-16.00	Digital Simulation and Additive Manufacturing: Selective Laser Melting and Software for Qualified Production <i>Philip Oris, PhD, Director Business Development Medical & Dental, SLM Solutions Group AG</i>
16.00-16.25	Increased efficiency in additive manufacturing using simulations and digital twins - state of the art and industrial applications <i>Per Fredriksson, PhD, Technical Manager, EDRMedeso</i>
16.25-16.50	Machining Additively Manufactured Ti-6Al-4V Alloy: Chip Formation and Surface Integrity <i>Amir Malakizadi, PhD, Researcher-Deputy director of MCR</i>
16.50-17.00	Concluding Remarks <i>Robert Pederson, University West</i>
17.00-17.30	Bus transfer to RISE IVF
17.30-19.00	Poster Session whith Exhibition and Tour at Additive Manufacturing Research Laboratory at RISE
19.00-21.00	Dinner
21.15	Bus Transfer to Panorama

Eventual changes

Program Day 2

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08.30-09.00	Registration
Block D	Research activities in additive manufacturing in West Sweden Moderator: <i>Eduard Hryha, Chalmers</i>
09.00-09.20	Research portfolio in metal AM at Chalmers <i>Eduard Hryha, Prof. Director of CAM2: Centre for Additive Manufacture - Metal, Chalmers</i>
09.20-09.40	Research portfolio in metal AM at University West <i>Robert Pederson, Professor, Head of Division of Subtractive & Additive Manufacturing, University West</i>
09.40-10.00	Additive Manufacturing Research Portfolio at RISE IVF AB <i>Seyed Hosseini, PhD, Manager Additive Manufacturing, RISE IVF AB</i>
Block E	State of the Art and Future Challenges and Trends in Powder Metallurgy for AM Moderator: <i>Eduard Hryha, Chalmers</i>
10.00-10.25	Powders for AM <i>Anna Larsson, Senior Research Engineer Additive Manufacturing, Höganäs AB</i>
10.25-10.50	Coffe and Mingel
10.50-11.15	New Developments in Powders for Additive Manufacturing of Metals <i>Peter Harlin, Senior R&D Engineer at Sandvik Additive Manufacturing</i>
11.15-11.40	High Performance Alloys for AM <i>Peter Vikner, Product Manager – Metal Powders, Erasteel Kloster AB</i>
11.40-12.05	Additive Manufacturing for Tooling Applications <i>Seshendra Karamchedu, PhD, Manager- Product Development (R&D), Uddeholm AB</i>
12.05-13.00	Lunch
Block F	Case Studies and Industrial Applications Moderator: <i>Ralf Frohwerk, SLM Solutions</i>
13.00-13.25	Selective Laser Melting From Prototyping to Qualified Serial Production: Industry Examples <i>Ralf Frohwerk, Dipl.-Ing., Global Head of Business Development, SLM Solutions Group AG</i> <i>Philip Oris, PhD, Director Business Development Medical & Dental, SLM Solutions Group AG</i>
13.25-13.50	Going Additive: applications and case studies from the industry <i>Greta D'Angelo, PhD, Head of Technology, AMEXCI AB</i>
13.50-14.15	Connectivity and Health Monitoring of 3D-printed Components for Extreme Applications <i>Erik Lejon, Research Engineer Gestamp BIW R&D</i>
14.15-14.40	Journey from Idea to Reality <i>Fredrik Olofsson, R&D Manager, Brogrens Industries</i>
14.40-15.10	Coffe and Mingel
Block G	Research results from on-going additive manufacturing projects Moderator: <i>Ralf Frohwerk, SLM Solutions</i>
15.10-15.30	Selective Laser Melting of Tool Steels - Effect of Post-Processes on Mechanical Performances and Surface Roughness on Pressure Drop and Heat Transfer <i>Anton Dahl-Jendelin, Researcher, Additive Manufacturing, RISE IVF AB and Seyed Hosseini, PhD, Manager Additive Manufacturing, RISE IVF AB</i>
15.30-15.50	Fatigue Properties of Additively Manufactured Alloy 718 <i>Arun Ramanathan Balachandramurthi, PhD Student, University West</i>
15.50-16.10	Electron Beam Melting of Alloy 718 - Powder Recycling and its Effect on Defect Formation <i>Hans Gruber, PhD Student, Chalmers</i>
16.10-16.30	Concluding Remarks <i>Ralf Frohwerk, SLM Solutions, Eduard Hryha, Chalmers, Robert Pederson, University West, Seyed Hosseini, RISE IVF AB</i>

Eventual changes